

12.2.2007

CURRICULUM VITAE

Neil D. Weinstein

OFFICE ADDRESS

Cancer Prevention and Control Program
Arizona Cancer Center, Rm 2964A1
1515 North Campbell Avenue
Tucson, Arizona 85724
neilw@aesop.rutgers.edu

EDUCATION

- 1972-1974 NIMH Postdoctoral Fellow, Department of Psychology, University of California, Berkeley.
Sponsor: Professor Richard S. Lazarus. Concentrations: psychological stress and environmental psychology.
- 1972 Ph.D. in Chemical Physics, Harvard University. Adviser: Professor Dudley R. Herschbach.
Dissertation: Angular Momentum in Chemical Reactions
- 1966 B.S. in Chemistry from the Honors Program, University of Wisconsin, Madison.

RESEARCH INTERESTS

Studies of individual responses to health and safety risks, including both natural and man-made hazards.
Emphasis on risk perceptions, risk communication, and health-protective behavior.

APPOINTMENTS AND PROFESSIONAL EXPERIENCE

- 2007 Research Professor, Department of Family and Community Medicine, University of Arizona
College of Medicine
- 2003- Associate Member, Arizona Cancer Center, Tucson, AZ
- 2000-2004 Visiting scholar, Behavioral Research Program, National Cancer Institute, Bethesda, MD.
- 1998-2006 Professor II, Department of Human Ecology, Rutgers University.
- 1994-1997 Chair, Department of Human Ecology.
- 1987- Professor, Department of Human Ecology, Rutgers University..
- 1987 Visiting Scholar, Department of Psychology, University of Arizona
- 1985 Acting Chair, Department of Human Ecology, Rutgers University..
- 1983 Visiting Scholar, Department of Medical Psychology, Oregon Health Sciences University.
- 1980-1987 Associate Professor, Departments of Human Ecology and Psychology, Rutgers University.
- 1974-1980 Assistant Professor, Department of Human Ecology, Rutgers University.

REFEREED RESEARCH ARTICLES

- Cuite, C. L., & Weinstein, N. D. (in press). A test of numeric formats for risk communication. Medical Decision Making.
- Brewer, N. T., Weinstein, N. D., Cuite, C. L., & Herrington, J. E. (in press). Risk compensation and vaccination: Can getting vaccinated cause people to engage in risky behaviors? Annals of Behavioral Medicine.
- Waters, E. A., Weinstein, N. D., Colditz, G. A., & Emmons, K. (2007). Reducing aversion to side effects in preventive medical treatment decisions. Journal of Experimental Psychology: Applied, 13, 11-21.
- Waters, E. A., Weinstein, N. D., Colditz, G. A., & Emmons, K. (2007). Aversion to side effects in preventive medical treatment decisions. British Journal of Health Psychology, 12, 383-401.

- Weinstein, N. D. (2007). Misleading tests of health behavior theories. Annals of Behavioral Medicine, 33, 1-10.
- Brewer, N. T., Chapman, G. B., Gibbons, F. X., Gerard, M., McCaul, K. D., & Weinstein, N. D. (2007). A meta-analysis of the relationship between risk perception and health behavior: The example of vaccination. Health Psychology, 26, 136-145.
- Weinstein, N. D., Kwitel, A., McCaul, K. D., Magnan, R. E., Gerard, M., and Gibbons, F. X. (2007). Risk perception: Assessment and relationship to influenza vaccination. Health Psychology, 26, 146-151.
- Waters, E. A., Weinstein, N. D., Colditz, G. A., & Emmons, K. (2006). Formats for improving risk communication in medical tradeoff decisions. Journal of Health Communication, 11, 167-182.
- Weinstein, N. D., & Rothman, A. J. (2005). Revitalizing research on health behavior theory. Health Education Research, 20, 294-297.
- Weinstein, N. D., Moser, R., & Marcus, S. (2005) Smokers= unrealistic optimism about their risk. Tobacco Control, 14, 55-59.
- Weinstein, N. D., Slovic, P., & Gibson, G. (2004) Accuracy and optimism in smokers= beliefs about quitting. Nicotine and Tobacco Research, 6 (Supplement 3).
- Weinstein, N. D., Slovic, P., Gibson, G., & Waters, E. (2004) Public perceptions of the illnesses caused by smoking. Nicotine and Tobacco Research, 6, 349-355.
- Emmons, K. M., Wong, M., Puleo, E., Weinstein, N. D., Fletcher, R., & Colditz, G. (2004). Tailored computer-based cancer risk communication: Correcting colorectal cancer risk perception. Journal of Health Communication, 9, 127-141.
- Brewer, N., Weinstein, N. D., Cuite, C. L., Herrington, J., & Hayes, N. (2004). Measuring risk perception and its relation to risk behavior. Annals of Behavioral Medicine, 27, 125-130.
- Weinstein, N. D., Atwood, K., Puleo, E., Fletcher, R., Colditz, G., & Emmons, K. M. (2004) Colon cancer: Risk perceptions and risk communication. Journal of Health Communication, 9, 53-65.
- Weinstein, N. D., Lyon, J. E., Rothman, A. J., & Cuite, C. L. (2000). Preoccupation and affect as predictors of self-protective behavior following natural disaster. British Journal of Health Psychology, 5, 351-363.
- Weinstein, N. D., Lyon, J. E., Rothman, A. J., & Cuite, C. L. (2000). Changes in perceived vulnerability following natural disaster. Journal of Social and Clinical Psychology, 19, 372-395.
- Weinstein, N. D. (2000). Perceived probability, perceived severity, and health-protective behavior. Health Psychology, 19, 65-74.
- Rothman, A. J., Kelly, K. M., Weinstein, Neil D., & O'Leary, A. (1999). Increasing the salience of risky sexual behavior: Promoting interest in HIV-antibody testing among heterosexually active young adults. Journal of Applied Social Psychology, 29, 531-551.
- Weinstein, N. D. (1999). What does it mean to understand a risk? Evaluating risk comprehension. Journal of the National Cancer Institute, Monograph 25, 15-20.
- Weinstein, N. D., & Lyon, J. E. (1999). Mindset and optimistic biases about personal risk. British Journal of Health Psychology, 4, 289-300.
- Weinstein, N. D. (1998). Accuracy of smokers' risk perceptions. Annals of Behavioral Medicine, 20, 135-140.

(Reprinted in Nicotine & Tobacco Research, 1999, 1, S123-130.)

- Weinstein, N. D., Lyon, J. E., Sandman, P. M., & Cuite, C. L. (1998). Experimental evidence for stages of precaution adoption: The precaution adoption process model applied to home radon testing. Health Psychology, 17, 445-453. Reprinted in P. Salovey & A. Rothman (Eds.) (2003). Social psychology of health. New York: Psychology Press.
- Weinstein, N. D., Rothman A., & Sutton, S. (1998). Stage theories of health behavior: Conceptual and methodological issues. Health Psychology, 17, 290-299. Reprinted in P. Salovey & A. Rothman (Eds.) (2003). Social psychology of health. New York: Psychology Press.
- Weinstein, N. D., Rothman, A. J., & Nicolich, M. (1998). Use of correlational data to study effects of risk perceptions on precautionary. Psychology and Health, 13, 479-501.
- Sandman, P. M., Weinstein, Neil D., & Hallman, W. H. (1997). Communications to reduce risk overestimation and underestimation. Risk Decision and Policy, 2, 93-108.
- Weinstein, N. D., & Diefenbach, M. A. (1997). Percentage and verbal-category scales for assessing personal risk likelihood. Health Education Research, 12, 139-141.
- Weinstein, N. D., & Klein, W. M. (1996). Unrealistic optimism: Present and future. Journal of Social and Clinical Psychology, 15, 1-8.
- Rothman, A., Klein, W., & Weinstein, N. D. (1996). Absolute and relative biases in estimations of personal risk. Journal of Applied Social Psychology, 26, 1213-1236.
- Weinstein, N. D., Kolb, K., & Goldstein, B. D. (1996). Using time intervals between expected events to communicate risk magnitudes. Risk Analysis, 16, 305-308.
- Hallman, W. H., Weinstein, N. D., Kadakia, S., & Chess, C. (1995). Precautions taken against Lyme disease at three recreational parks in endemic areas of New Jersey. Environment and Behavior, 27, 437-454.
- Weinstein, N. D., & Klein, W. M. (1995). Resistance of personal risk perceptions to debiasing interventions. Health Psychology, 14, 132-140. Reprinted in Gilovich, T., Crosby, R. A., & Kegler, M. C. (2002). Heuristics and biases: The psychology of intuitive judgment, pp. 313-323. Cambridge: Cambridge University Press.
- Weinstein, N. D., Sandman, P. M., & Hallman, W. H. (1994). Testing a visual display to explain small probabilities. Risk Analysis, 14, 895-896.
- Sandman, P. M., & Weinstein, N. D. (1994). High risk or low: How location on a "risk ladder" affects perceived risk. Risk Analysis, 14, 35-45. Reprinted in Turner, Bateman, & S. Gerrard (Eds.). Environmental risk planning and management. Cheltenham, U.K.
- Sandman, P. M., Miller, P. M., Johnson, B. B., & Weinstein, N. D. (1993). Agency communication, community outrage, and perception of risk: Three simulation experiments. Risk Analysis, 13, 585-598.
- Weinstein, N. D. (1993). Persuasive communications among friends about health and safety precautions. Health Education Quarterly, 20, 347-360.
- Sandman, P. M., & Weinstein, N. D. (1993). Predictors of home radon testing and implications for testing promotion programs. Health Education Quarterly, 20, 1-17.
- Diefenbach, M., & Weinstein, N. D. (1993). Scales for assessing perceptions of personal risk susceptibility.

Health Education Research, 8, 181-192

- Weinstein, N. D. (1993). Testing four competing theories of health-protective behavior. Health Psychology, 12, 324-333. Reprinted in P. Salovey & A. Rothman (Eds.) (2003). Social psychology of health. New York: Psychology Press.
- Weinstein, N. D., & Nicolich, M. (1993). Correct and incorrect interpretations of correlations between risk perceptions and risk behaviors. Health Psychology, 12, 235-245.
- Weinstein, N. D., & Sandman, P. M. (1993). Some criteria for evaluating risk messages. Risk Analysis, 13, 103-114.
- Weinstein, N. D., & Sandman, P. M. (1992). Predictors of homeowner mitigation responses to radon test data. Journal of Social Issues, 48(4), 63-83.
- Weinstein, N. D., Roberts, N. E., & Kirk Pflugh, K. (1992). Evaluating personalized risk messages. Evaluation Review, 16, 235-246.
- Weinstein, N. D., & Sandman, P. M. (1992). A model of the precaution adoption process: Evidence from home radon testing. Health Psychology, 11, 170-180.
- Weinstein, N. D., Sandman, P. M., & Roberts, N. E. (1991). Perceived susceptibility and self-protective behavior: A field experiment to encourage home radon testing. Health Psychology, 10, 25-33.
- Weinstein, N. D., Sandman, P. M., & Roberts, N. E. (1990). Determinants of self-protective behavior: Home radon testing. Journal of Applied Social Psychology, 20(10), 783-801.
- Weinstein, N. D. (1989). Optimistic biases about personal risks. Science, 246, 1232-1233.
- Weinstein, N. D., Klotz, M. L., & Sandman, P. M. (1989). Promoting remedial response to the risk from radon: Are information campaigns enough. Science, Technology and Human Values, 14(4), 360-379.
- Weinstein, N. D. (1989). Effects of personal experience on self-protective behavior. Psychological Bulletin, 105, 31-50.
- Weinstein, N. D. (1988). The precaution adoption process. Health Psychology, 7(4), 355-386.
- Weinstein, N. D., Klotz, M. L., & Sandman, P. M. (1988). Optimistic biases in public perceptions of the risk from radon. American Journal of Public Health, 78(7), 796-800.
- Weinstein, N. D. (1987). Unrealistic optimism about susceptibility to health problems: Conclusions from a community-wide sample. Journal of Behavioral Medicine, 10(5), 481-500.
- Sandman, P. M., Klotz, M. L., & Weinstein, N. D. (1987). Public response to the risk from geological radon. Journal of Communication, 37(3), 93-108.
- Manzo, L. C., & Weinstein, N. D. (1987). Behavioral commitment to environmental protection: A study of active and nonactive members of the Sierra Club. Environment and Behavior, 19(6), 673-694.
- Belton, T., Roundy, R. & Weinstein, N. (1986). Urban fishermen: Managing the risks of toxic exposure. Environment, 28(9), 18-20, 30-37.
- Weinstein, N. D., Grubb, P. D., & Vautier, J. (1986). Increasing automobile seat belt use: An intervention emphasizing perceived susceptibility. Journal of Applied Psychology, 71(2), 285-290.

- Weinstein, N. D. (1985). Reactions to lifestyle warnings: Coffee and cancer. Health Education Quarterly, 12, 129-134.
- Weinstein, N. D. (1984) Why it won't happen to me: Perceptions of risk factors and illness susceptibility. Health Psychology, 3, 431-457.
- Weinstein, N. D. (1983). Reducing unrealistic optimism about illness susceptibility. Health Psychology, 2, 11-20.
- Weinstein, N. D. (1982). Unrealistic optimism about susceptibility to health problems. Journal of Behavioral Medicine, 5, 441-460.
- Weinstein, N. D. (1982). Community noise problems: Evidence against adaptation. Journal of Environmental Psychology, 2, 87-97.
- Weinstein, N. D., & Lachendro, E. (1982). Egocentrism as a source of unrealistic optimism. Personality and Social Psychology Bulletin, 8, 195-200.
- Cohen, S., & Weinstein, N.D. (1981). Nonauditory effects of noise on behavior and health. Journal of Social Issues, 37, 36-70.
- Weinstein, N. D. (1980). Unrealistic optimism about future life events. Journal of Personality and Social Psychology, 39, 806-820.
- Weinstein, N. D. (1980). Individual differences in critical tendencies and noise annoyance. Journal of Sound and Vibration, 68, 241-248.
- Weinstein, C. S., & Weinstein, N. D. (1979). Noise and reading performance in an open space school. Journal of Educational Research, 72, 210-213.
- Weinstein, N. D. (1979). Seeking reassuring or threatening information about environmental cancer. Journal of Behavioral Medicine, 2, 125-139.
- Weinstein, N. D. (1978). Cognitive processes and information seeking concerning an environmental health threat. Journal of Human Stress, 4, 32-41.
- Weinstein, N. D. (1978). Individual differences in reactions to noise: A longitudinal study in a college dormitory. Journal of Applied Psychology, 63, 458-466.
- Weinstein, N. D. (1977). Noise and intellectual performance: A confirmation and extension. Journal of Applied Psychology, 62, 104-107.
- Weinstein, N. D. (1976). Statistical prediction of environmental preferences: Problems of validity and application. Environment and Behavior, 8, 611-626.
- Weinstein, N. D. (1974). Effects of noise on intellectual performance. Journal of Applied Psychology, 59, 548-554.
- Hsu, D. S. Y., Weinstein, N. D., & Herschbach, D. R. (1974). Rotational polarization of reaction products: Analysis of electric deflection profiles. Molecular Physics, 29, 257-278.
- Weinstein, N. D. (1973). Comment on measurements of translational energies of dissociation fragments. Journal of Chemical Physics, 58, 408-409.

Maltz, C., Weinstein, N. D., & Herschbach, D. R. (1972). Rotational polarization of reaction products and reprojection of angular momentum. Molecular Physics, 24, 133-150.

Safron, S. A., Weinstein, N. D., Herschbach, D. R., & Tully, J. C. (1972). Transition state theory for collision complexes: Product translational energy distributions. Chemical Physics Letters, 12, 564-568.

MANUSCRIPTS UNDER REVIEW

Waters, E. A., Weinstein, N. D., Colditz, G. A., & Emmons, K. (2007). Mechanisms of side effect aversion in preventive medical treatment decisions

Gurmankin Levy, A. & Weinstein, N. D. (2008). Lay evaluations of cancer clusters.

BOOKS AND BOOK CHAPTERS

Weinstein, N. D., & Sandman, P. M. (2008). The precaution adoption process model and its application. In K. Glanz, B. K. Rimer, & V. Viswanath (Eds.), Health Behavior and health education: Theory, research and practice (4th edition). San Francisco: Jossey Bass.

Weinstein, N. D. (2003). Exploring the links between risk perceptions and preventive behaviors. In J. Suls & K. A. Wallston (Eds.), Social psychological foundations of health and illness (pp. 22-53). Malden, MA: Blackwell.

Weinstein, N. D., & Sandman, P. M. (2002). The precaution adoption process model and its application. In K. Glanz, B. K. Rimer, & F. M. Lewis (Eds.), Health Behavior and health education: Theory, research and practice (3rd edition)(pp. 121-143). San Francisco: Jossey Bass.

Weinstein, N. D., & Sandman, P. M. (2002). The precaution adoption process model and its application. In R. DiClemente, R. Crosby, & Kegler, M. (Eds.), Emerging theories and models in health promotion research & practice. pp. 16-39. San Francisco: Jossey Bass.

Weinstein, N. D., & Sandman, P. M. (2002). Reducing the risks of exposure to radon gas: An application of the Precaution Adoption Process Model. In D. R. Rutter (Ed.), Changing health behavior: Intervention and research with social cognition models, pp. 66-86. London: Open University Press.

Weinstein, N. D. (2001). Smokers= recognition of their vulnerability to harm. In P. Slovic (Ed.), Smoking: Risk, perception, and policy, pp. 81-96. Thousand Oaks, CA: Sage.

Weinstein, N. D. (2001). Public understanding of risk and reasons for smoking low yield products. In National Cancer Institute, Risks associated with smoking cigarettes with low machine-measured yields of tar and nicotine (pp. 193-198). Smoking and Tobacco Control Monograph No. 13. U.S. Department of Health and Human Services, National Institute of Health, National Cancer Institute Publication No. 02-5074.

Klein, W. M., & Weinstein, N. D. (1997). Social comparison and unrealistic optimism about risk. In B. P. Buunk & F. X. Gibbons (Eds.), Health, coping, and social comparison (pp. 25-62). Hillsdale, NJ: Erlbaum.

Weinstein, N. D. (1989). Perceptions of personal susceptibility to harm. In V. M. Mays, G. W. Albee, and F. Schneider (Eds.), Psychological approaches to the primary prevention of Acquired Immune Deficiency Syndrome (pp. 142-167). Newbury Park, CA: Sage.

Weinstein, N. D. (Ed.). (1987). Taking care: Understanding and encouraging self-protective behavior, New York: Cambridge University Press. (348 pp.)

- Weinstein, N. D. (1987). Studying self-protective behavior. In N. D. Weinstein (Ed.), Taking care: Understanding and encouraging self-protective behavior (pp. 1-9). New York: Cambridge University Press.
- Weinstein, N. D. (1987). Cross-hazard consistencies: Conclusions about self-protective behavior. In N. D. Weinstein (Ed.), Taking care: Understanding and encouraging self-protective behavior (pp. 325-335). New York: Cambridge University press.
- Weinstein, N. D. (1987). How the New Jersey public views the risk from radon. In M. R. Edelman and W. Makofske (Eds.), Radon and the Environment (pp. 222-227). Mahwah, NJ: Institute for Environmental Studies, Ramapo College of New Jersey. (Reissued by Noyes Publications, Park Ridge, NJ, 1988.)
- Cohen, S., & Weinstein, N. D. (1983). Nonauditory effects of noise on behavior and health. In G. Evans (Ed.), Environmental stress (pp. 45-74). New York: Cambridge University Press. [Also reprinted in D. Osborne (Ed.) (1993), Ergonomics and human factors. Cheltenham, Gloucester, United Kingdom.]
- Weinstein, N. D. (1979). Seeking information about an environmental health threat. In D. J. Osborne, M. M. Gruneberg, & J. R. Eiser (Eds.), Research in psychology and medicine (Vol. II, pp. 110-117). London: Academic Press.
- Weinstein, N. D. (1976). Human evaluations of environmental noise. In K. Craik & E. Zube (Eds.), Perceiving environmental quality: Research and applications (pp. 229-252). New York: Plenum.

RECENT INVITED PRESENTATIONS AND EXPERT CONFERENCES

- How does the public think about risk. Presented at the 2nd Workshop on EMF Risk Communication, European Commission, Joint Research Centre, Institute for health and Consumer Protection, Stresa, Italy, May 2007.
- Keynote address. Challenges in understanding risk perception and risk communication. Australia Cancer Council, Behavioral Research in Cancer Conference, Brisbane, Australia, September, 2006.
- Invited workshop. Stage and continuum theories for cancer related behaviors. Australia Cancer Council, Behavioral Research in Cancer Conference, Brisbane, Australia, September, 2006.
- Invited speaker. Gaps in public knowledge of smoking risks. Behavioral Research Program, Victoria Cancer Council, Melbourne, Australia, September, 2006.
- Invited address. How does the public think about risk? Minnesota Conference on the Risks of New Medical Technologies, Minneapolis, MN, May, 2006.
- Invited address. Misleading correlational tests of health behavior theories. Kentucky Conference on Health Communication, Lexington, KY, April, 2006
- Invited workshop. Testing health behavior theories: Common mistakes and better alternatives. Annual meeting of the American Academy of Health Behavior, Carmel, CA, March, 2006.
- Invited address. Risk perception, risk communication, and health behavior. Short Course on Risk Perception and Communication in Genetic Counseling Practice. Annual Meeting of the National Society of Genetic Counselors. Los Angeles, California, November, 2005
- Keynote speech. Misleading tests of health behavior theories. Presented at the Annual Conference of the Division of Health Psychology, British Psychological Association, Coventry, England, August, 2005.
- Invited speaker on risk perceptions. Center for Decision Science, Columbia University, September 2004.

Invited participant. Workshop on Methods and Biomarkers To Assess Reductions in Tobacco Toxin Exposure, National Institutes of Health, Washington, D.C., February, 2004.

Invited speaker on conceptual and measurement issues in risk perception research. Preconference on the State of the Art in Risk Perception Research. Annual Meeting of the Society for Behavioral Medicine, Baltimore, March, 2004.

Invited speaker, Colon Cancer: Risk perceptions and risk communication. Presented at the American Medical Association Patient Adherence Medical Briefing, March, 2004.

Invited discussant. Workshop on New Initiatives in Basic and Applied Decision Making in Cancer Control, National Cancer Institute, Washington, D.C., February, 2004.

Invited discussant. Workshop on Integrating Message Effects and Behavior Change Theories. Annenberg School of Communication, University of Pennsylvania, November, 2003

Invited speaker on the public understanding of smoking risks. City University of New York and Institute for Cancer Prevention, New York, May, 2003.

Invited speaker on communicating risk magnitudes to the public. Veterans Administration War-Related Illness and Injury Study Center, East Orange, NJ, February, 2003.

Invited speaker on risk perceptions. Conference on social psychology and public health, University of Savoie, Chambery France, May 2001.

Invited speaker on smokers' understanding of their risk. Psychiatry grand rounds. Memorial Sloan-Kettering Cancer Center. April, 2001.

Invited speaker on risk perceptions about smoking, Behavioral Research Program, National Cancer Institute, June, 2000.

Invited speaker on risk perceptions and health behavior. Department of Psychology, Miami University, Oxford, Ohio, February, 2000.

Invited speaker on barriers to risk communication, Centers for Disease Control and Prevention and National Cancer Institute Workshop "I-131 Fallout from NTS: Informing the Public. January, 2000.